

# **Central Plateau Remediation Project**

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Hydro Lazer demonstration (left) ultimately used during ongoing cleanup of 233-S Plutonium Concentration Facility (above).

## INTRODUCTION

The Central Plateau Remediation Project (CP) is responsible for work scope included in Project Baseline Summaries (PBSs) RL-CP01, *200 Area Remediation*; RL-RC06, *300 Area Facility Transition*; RL-RS01, *South Hanford Industrial Area*; RL-SC01, *Near Term Stewardship*; RL-SS03, *Groundwater Monitoring and Management*; and RL-SS04, *Groundwater Vadose Zone*.

- PBS RL-CP01, *200 Area Remediation*, consists of Project Management and Support, CP Facility Surveillance and Maintenance (S&M), CP Facility Transition, CP Facility Decontamination and Decommissioning (D&D), the Equipment Disposition Project and CP Waste Site Remediation.
- PBS RL-RC06, *300 Area Facility Transition*, consists of 324 and 327 Facility Safe Shutdown, Miscellaneous Radiological Facilities Deactivation and Project Management and Support. The FH Contract includes these activities through February 6, 2003.
- PBS RL-RS01, *South Hanford Industrial Area*, consists of Facility Closure, Waste Site Remediation, Facility & Waste Site S&M and Project Management and Support.
- PBS RL-SC01, *Near Term Stewardship*, consists of Stewardship Records/Information Management and Stewardship Strategic Planning and Requirements.
- PBS RL-SS03, *Groundwater Management and Monitoring*, consists of Long Term Monitoring, Groundwater Monitoring Wells, Installation, Maintenance, and Abandonment, 100/200 Area Groundwater Remediation and Project Management and Support.
- PBS RL-SS04, *Groundwater Vadose Zone Integration*, consists of Management and Integration, Science and Technology, System Assessment Capability and Characterization.

NOTE: Unless otherwise noted, all information contained herein is as of the end of January 2003.

## NOTABLE ACCOMPLISHMENTS

**200 Area Remediation:** Completed the 231-Z and Plutonium-Uranium Extraction (PUREX) Plant Hazards Analyses for Documented Safety Analysis (DSA) updates and completed the inventory basis (bounding estimate) for the 231-Z DSA. Submitted hazard classifications of inactive waste sites to RL. Completed draft "*U Plant Area Closure Project*" Project Execution Plan (PEP) and Project Procedures Manual for waste sites.

**300 Area Facility Transition:** Submitted a Baseline Change Request (BCR) FH-2003-007 to extend work scope in the contract baseline through April 30, 2003. Completed repair of the Radiochemical Engineering C A-Cell crane to allow temporary storage of grout containers in A-Cell. Completed implementation of the 333 Building Basis of Interim Operation (BIO).

**Groundwater Management and Monitoring:** Issued "*Eliminate Recharge Conditions Project*" PEP and Project Procedures Manual. Completed connection of well 199-K-126 to the KR4 pump-and-treat 18 days ahead of schedule (Tri-Party Agreement milestone M-16-28A).

**Groundwater Vadose Zone Integration:** Presented Groundwater Protection Program plans and strategies, including the "*Hanford Groundwater Protection Management Plan: Accelerated Cleanup/Protection*" to RL for approval. Received acceptance of the plan from regulators on January 27, 2003. The companion document (*Hanford Groundwater Strategy*) has been revised with regulator and RL input.

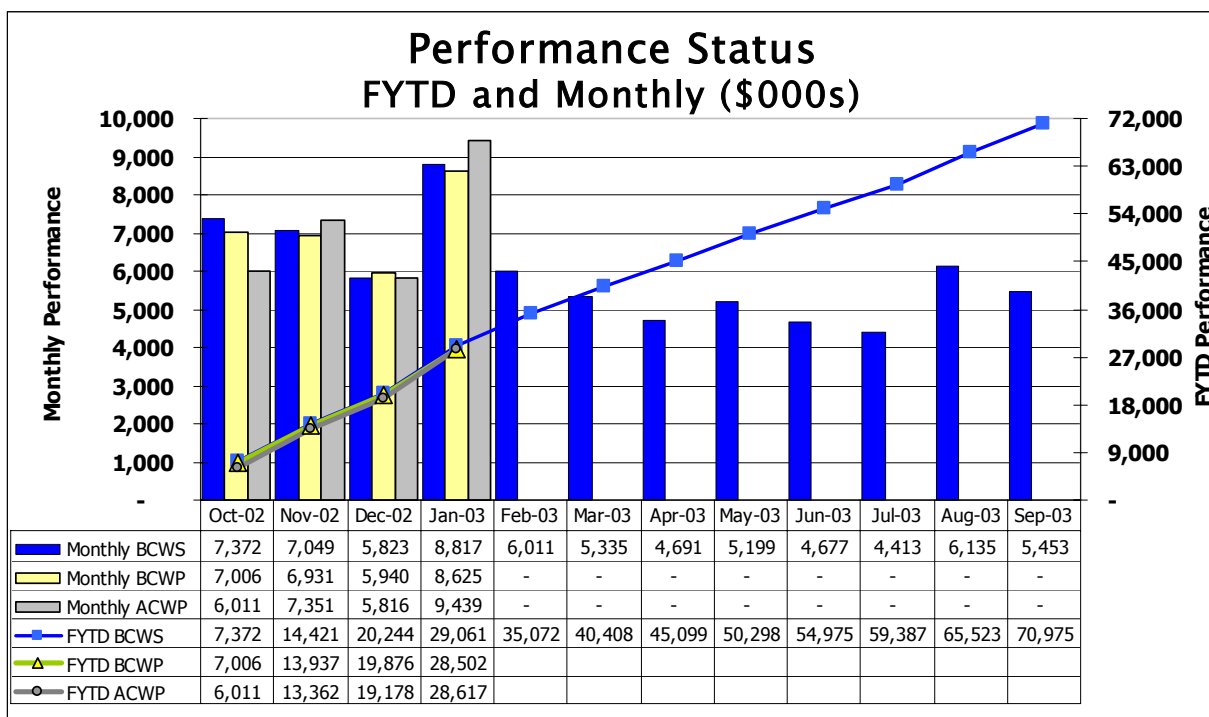
## FY 2003 SCHEDULE/COST PERFORMANCE (\$000)

**Schedule Performance** — The FYTD schedule variance is within established thresholds (+/- 10% or \$1M); therefore no explanation is required.

**Cost Performance** — The FYTD cost variance is within established thresholds (+/- 10% or \$ 1M); therefore no explanation is required.

	PBS	BCWS	BCWP	ACWP	SV	%	CV	%	BAC
PBS RC06	300 Area Facility Transition	10,325	10,093	9,811	-232	-2%	282	3%	12,157
PBS RS01	South Hanford Cleanup	16	38	24	22	142%	14	38%	201
PBS CP01	200 Area Remediation	11,025	10,816	11,575	-209	-2%	-760	-7%	30,468
PBS SS03	Groundwater Mgmt & Monitoring	5,908	5,829	5,603	-80	-1%	226	4%	22,283
PBS SS04	Groundwater/Vadose Zone Integ.	1,027	963	926	-64	-6%	37	4%	3,347
PBS SC01	Near Term Stewardship	759	763	678	4	0%	85	11%	2,519
	<b>Totals</b>	<b>29,061</b>	<b>28,502</b>	<b>28,617</b>	<b>-559</b>	<b>-2%</b>	<b>-115</b>	<b>0%</b>	<b>70,975</b>

Note: FH contract only includes PBS RL-RC06 *300 Area Facility Transition* work scope through February 6, 2003



## MILESTONE ACHIEVEMENT

PBS	MSN	Title	Type	Due Date	Actual Date	Forecast Date	Status/Comments
RL-CP01	TRP-03-203 M-15-41B	Submit 200-TW-1 and 200-TW-2 OU Remedial Investigation Report to EPA and Ecology	TPA	10/30/02	10/23/02		Complete
RL-CP01	TRP-03-109 M-24-56	Install Two Additional Wells at SST Waste Management Area TX-TY.	TPA	12/31/02	12/13/02		Complete
RL-CP01	TRP-03-206 M-13-00M	Submit 1 200 NPL RI/FS (RFI/CMS) Work Plan	TPA	12/31/02	12/30/02		Complete
RL-CP01	TRP-03-209 M-15-38A	Submit 200-CW-1 Gable Mountain Pond/B Pond and Ditch Cooling Water Group Feasibility Study	TPA	3/31/03			On Schedule
RL-CP01	TRP-03-212 M-15-40B	Submit 200-CW-5 U Pond/Z Ditches Cooling Water Group Remedial Investigation Report	TPA	5/31/03			On Schedule
RL-CP01	TRP-03-215 M-15-47	Submit a Proposed Plan to EPA and/or Ecology to conduct Remedial Action(s) for Source Control at High-Risk Waste Site(s)	TPA	6/30/03			On Schedule
RL-CP01	TRP-03-218 M-15-39A	Complete Chemical Sewer Group Field Work Through Sample Collection and Analysis	TPA	9/30/03			On Schedule
RL-CP01	TRP-03-224 M-13-00N	Submit 1 200 NPL RI/FS (RFI/CMS) Work Plan	TPA	12/31/03			On Schedule
RL-CP01	TRP-03-239 M-020-00A	Submit Part B Permit Applications or Closure/Post Closure Plans for all RCRA TSD Units Except 216-A-10, 216-A-36B, 216-A-37-1, 207-A South Retention Basin, 216-S-10 Pond, 216-S-10 Ditch, 241-CX-70, 241-CX-71, and 241-CX-72.	TPA	2/28/04			On Schedule
RL-CP01	TRP-03-227 M-15-41C	Submit 200-TW-1 and 200-TW-2 OU Feasibility Study and Proposed Plan to EPA and Ecology	TPA	3/31/04			On Schedule
RL-CP01	TRP-03-230 M-15-39B	Submit 200-CS-1 Chemical Sewer Group Remedial Investigation Report	TPA	5/31/04			On Schedule
RL-CP01	TRP-03-230	Decontaminate and Decommission the 233-S and 233-SA Facilities	RL	6/30/04			On Schedule
RL-CP01	TRP-03-233 M-15-43B	Submit 200-PW-2 OU Remedial Investigation Report Including Past Practice Waste Sites in 200-PW-4 General Process Waste Group	TPA	6/30/04			On Schedule
RL-RC06	TRP-04-901 M-92-15	Complete Removal and Transfer, and Initiate Storage of Phase II 300 Area SCW and Materials	EA	9/30/04	9/19/01		Complete
RL-RS01	TRP-03-236 M-016-66	Initiate Intermediate Design and Authorization Safety Analysis for Remedial Actions at the 618-10 and 618-11 Burial Grounds	TPA	9/30/04			On Schedule

## MILESTONE ACHIEVEMENT (CONTINUED)

PBS	MSN	Title	Type	Due Date	Actual Date	Forecast Date	Status/Comments
RL-SS03	TRP-03-106 M-24-00N	Install RCRA Groundwater Monitoring Wells at Rate of up to 50 in CY 2002, if required	TPA	12/31/02	12/13/02		Complete
RL-SS03	TRP-03-112 M-016-28A	Connection Well 199-K-126 to the 100-KR-4 Pump and Treat Extraction System	TPA	1/15/03	1/13/03		Complete
RL-SS03	TRP-03-103 M-16-27C	Complete 100-HR-3 Phase III, ISRM Barrier Emplacement	TPA	6/30/03			On Schedule
RL-SS03	TRP-03-106 M-24-00O	Install RCRA Groundwater Monitoring Wells at Rate of up to 50 in CY 2003, if required	TPA	12/31/03			On Schedule
RL-SS04	TRP-03-403	Optimization Plan for the Closure of the Central Plateau	RL	9/30/03			On Schedule

## FY 2003 FH FUNDS VS FORECAST (\$000)

	Expected Funds	Spend Forecast	Variance
<b>Central Plateau Remediation Project</b>			
RL-RC06 300 Area Facility Transition	\$ 18,652	\$ 16,733	\$ 1,919
<b>Project Completion - Operating</b>	<b>18,652</b>	<b>16,733</b>	<b>1,919</b>
RL-CP01 200 Area Remediation	\$ 30,466	\$ 30,738	\$ (272)
RL-RS01 South Hanford Industrial Area	\$ 192	\$ 187	\$ 5
RL-SS03 Groundwater Management & Monitoring	\$ 22,283	\$ 22,269	\$ 14
RL-SS04 Groundwater Vadoze Zone Integration	\$ 3,349	\$ 3,223	\$ 126
RL-SC01 Near Term Stewardship	\$ 1,673	\$ 1,670	\$ 3
<b>Post 2006 - Operating</b>	<b>\$ 57,963</b>	<b>\$ 58,087</b>	<b>\$ (124)</b>
<b>Total</b>	<b>\$ 76,615</b>	<b>\$ 74,820</b>	<b>\$ 1,795</b>

Note: FH is anticipating a contract modification to extend the 300 Area Facility scope from February 7, 2003 to April 30, 2003. The spend forecast value is based on the funds expected with the additional work scope.